

Product datasheet for PH309088

DPH4 (DNAJC24) (NM_181706) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DNAJC24 MS Standard C13 and N15-labeled recombinant protein (NP_859057)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209088
Predicted MW:	17 kDa
Protein Sequence:	<p>>RC209088 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAVEQMPKKDWYSILGADPSANISDLKQKYQKLILMYHPDKQSTDVPAGTVEECVQKFIEIDQAWKILGN EETKREYDLQRCEDDL RNVPVDAQVYLEEMSWNEGDHSFYLSRCGGKYSVSKDEAEVSLISCDTCSL IIELLHYN</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_859057</u>
RefSeq Size:	3000
RefSeq ORF:	444
Synonyms:	DPH4; JJJ3; ZCSL3
Locus ID:	120526
UniProt ID:	<u>Q6P3W2</u>



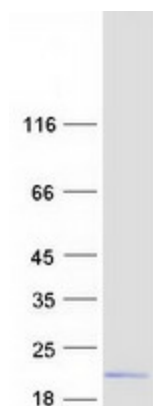
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Cytogenetics:

11p13

Summary:

Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaeobacteria to humans and serves as the target for ADP-ribosylation and inactivation of EEF2 by diphtheria toxin (DT) and Pseudomonas exotoxin A. DPH4 is 1 of several enzymes involved in synthesis of diphthamide in EEF2 (Liu et al., 2004 [PubMed 15485916]).[supplied by OMIM, Mar 2008]

Product images:


Coomassie blue staining of purified DNAJC24 protein (Cat# [TP309088]). The protein was produced from HEK293T cells transfected with DNAJC24 cDNA clone (Cat# [RC209088]) using MegaTran 2.0 (Cat# [TT210002]).